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* * * * * * * * *   Welcome to STN International   * * * * * * * * *

NEWS 1   Web Page for STN Seminar Schedule - N. America
NEWS 2 JUL 28   CA/CAplus patent coverage enhanced
NEWS 3 JUL 28   EPFULL enhanced with additional legal status
                   information from the epoline Register
NEWS 4 JUL 28   IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 5 JUL 28   STN Viewer performance improved
NEWS 6 AUG 01   INPADOCDB and INPAFAMDB coverage enhanced
NEWS 7 AUG 13   CA/CAplus enhanced with printed Chemical Abstracts
                   page images from 1967-1998
NEWS 8 AUG 15   CAOLD to be discontinued on December 31, 2008
NEWS 9 AUG 15   CAplus currency for Korean patents enhanced
NEWS 10 AUG 27   CAS definition of basic patents expanded to ensure
                   comprehensive access to substance and sequence
                   information
NEWS 11 SEP 18   Support for STN Express, Versions 6.01 and earlier,
                   to be discontinued
NEWS 12 SEP 25   CA/CAplus current-awareness alert options enhanced
                   to accommodate supplemental CAS indexing of
                   exemplified prophetic substances
NEWS 13 SEP 26   WPIDS, WPINDEX, and WPIX coverage of Chinese and
                   and Korean patents enhanced
NEWS 14 SEP 29   IFICLS enhanced with new super search field
NEWS 15 SEP 29   EMBASE and EMBAL enhanced with new search and
                   display fields
NEWS 16 SEP 30   CAS patent coverage enhanced to include exemplified
                   prophetic substances identified in new Japanese-
                   language patents
NEWS 17 OCT 07   EPFULL enhanced with full implementation of EPC2000
NEWS 18 OCT 07   Multiple databases enhanced for more flexible patent
                   number searching
NEWS 19 OCT 22   Current-awareness alert (SDI) setup and editing
                   enhanced
NEWS 20 OCT 22   WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
                   Applications
NEWS 21 OCT 24   CHEMLIST enhanced with intermediate list of
                   pre-registered REACH substances

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
             AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS LOGIN   Welcome Banner and News Items
NEWS IPC8   For general information regarding STN implementation of IPC 8

```
Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:56:16 ON 20 NOV 2008

=> fil reg
COST IN U.S. DOLLARS                             SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    0.21       0.21

FILE 'REGISTRY' ENTERED AT 15:56:31 ON 20 NOV 2008
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STRUCTURE FILE UPDATES:   19 NOV 2008  HIGHEST RN 1073427-79-8
DICTIONARY FILE UPDATES:  19 NOV 2008  HIGHEST RN 1073427-79-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
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experimental property data in the original document.  For information
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http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\chrom-2-one.str
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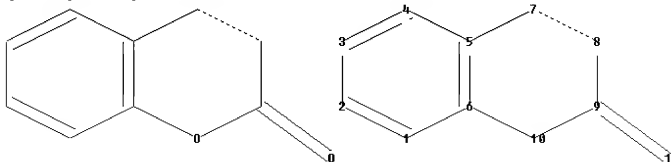


```
chain nodes :
11
```

```
ring nodes :
1  2  3  4  5  6  7  8  9  10
chain bonds :
9-11
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-10  7-8  8-9  9-10
exact/norm bonds :
5-7  6-10  7-8  8-9  9-10  9-11
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:CLASS



L1       STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1               STR
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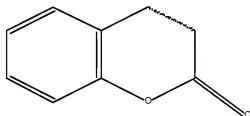


```
Structure attributes must be viewed using STN Express query preparation.


=> s sss sam l1
SAMPLE SEARCH INITIATED 15:56:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   30165 TO ITERATE

  6.6% PROCESSED     2000 ITERATIONS                          50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        592911 TO  613689
PROJECTED ANSWERS:           186572 TO  198332

L2           50 SEA SSS SAM L1

=> d scan

L2   50 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   2H-1-Benzopyran-2-one, 3-[[2-(2-methyl-1,3-dioxolan-2-yl)-1-
     phenylethyl]amino]-
```
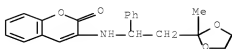
MF   C21 H21 N O4

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

```
=> s sss full l1
FULL SEARCH INITIATED 15:57:19 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   603896 TO ITERATE

100.0% PROCESSED   603896 ITERATIONS                    194390 ANSWERS
SEARCH TIME: 00.00.04

L3      194390 SEA SSS FUL L1


=>
Uploading C:\Program Files\STNEXP\Queries\chrom2-one-2-phe.str
```
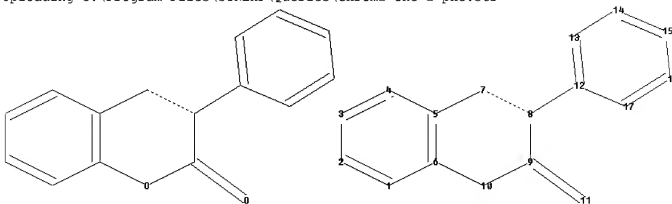


```
chain nodes :
11
ring nodes :
1  2  3  4  5  6  7  8  9  10  12  13  14  15  16  17
chain bonds :
8-12  9-11
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-10  7-8  8-9  9-10  12-13  12-17  13-14  14-15
15-16  16-17
exact/norm bonds :
5-7  6-10  7-8  8-9  9-10  9-11
exact bonds :
8-12
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  12-13  12-17  13-14  14-15  15-16  16-17


Match level :
```
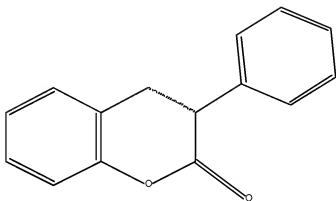
L10   STRUCTURE UPLOADED

=> d l10
L10 HAS NO ANSWERS
L10   STR

Structure attributes must be viewed using STN Express query preparation.

=> s sss sam l10
SAMPLE SEARCH INITIATED 16:08:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   1467 TO ITERATE

100.0% PROCESSED   1467 ITERATIONS   50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 27043 TO   31637
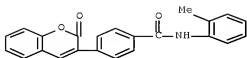PROJECTED ANSWERS: 9257 TO   12023

L11   50 SEA SSS SAM L10

=> d scan

L11 50 ANSWERS   REGISTRY COPYRIGHT 2008 ACS on STN
IN   Benzamide, N-(2-methylphenyl)-4-(2-oxo-2H-1-benzopyran-3-yl)-
MF   C23 H17 N O3

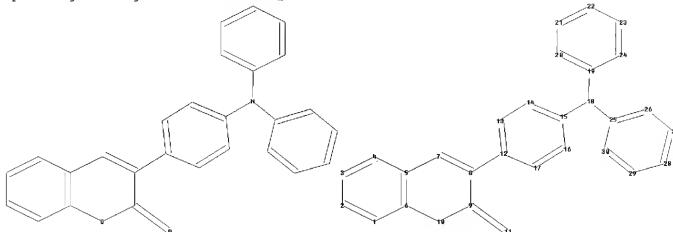**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> save l13 chrom2on2phe/a
ANSWER SET L13 HAS BEEN SAVED AS 'CHROM2ON2PHE/A'

=>
Uploading C:\Program Files\STNEXP\Queries\10564039A.str

chain nodes :
11 18
ring nodes :
1   2   3   4   5   6   7   8   9   10 12 13 14 15 16 17 19 20 21 22 23 24 25
26 27 28 29 30
chain bonds :
8-12 9-11 15-18 18-19 18-25
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   6-10 7-8   8-9   9-10 12-13 12-17 13-14 14-15
15-16 16-17 19-20 19-24 20-21 21-22 22-23 23-24 25-26 25-30 26-27 27-28
28-29 29-30
exact/norm bonds :
5-7   6-10 7-8   8-9   9-10 9-11 15-18 18-19 18-25
exact bonds :
8-12
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6   12-13 12-17 13-14 14-15 15-16 16-17 19-20 19-
24 20-21 21-22 22-23 23-24 25-26 25-30 26-27 27-28 28-29 29-30

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom

29:Atom 30:Atom

L14   STRUCTURE UPLOADED

=> d l14
L14 HAS NO ANSWERS
L14   STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s sss l14 subset=l3 sam
SAMPLE SUBSET SEARCH INITIATED 16:15:34 FILE 'REGISTRY'
SAMPLE SUBSET SCREEN SEARCH COMPLETED -   3 TO ITERATE

100.0% PROCESSED   3 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET):   ONLINE **COMPLETE**
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET):   3 TO   163
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET):   0 TO   0

L15   0 SEA SUB=L3 SSS SAM L14

=> s sss l14 subset=l3 full
FULL SUBSET SEARCH INITIATED 16:15:52 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED -   81 TO ITERATE

100.0% PROCESSED   81 ITERATIONS   6 ANSWERS
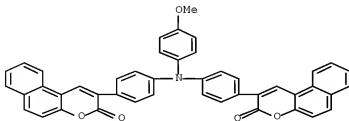SEARCH TIME: 00.00.01

L16   6 SEA SUB=L3 SSS FUL L14

=> d scan

L16 6 ANSWERS   REGISTRY   COPYRIGHT 2008 ACS on STN
IN   3H-Naphtho[2,1-b]pyran-3-one, 2,2'-[[(4-methoxyphenyl)imino]di-4,1-
     phenylene]bis- (9CI)
MF   C45 H29 N O5

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

```
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> fil caplu
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                          ENTRY        SESSION
FULL ESTIMATED COST                                      277.28        277.49


FILE 'CAPLUS' ENTERED AT 16:16:09 ON 20 NOV 2008
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FILE COVERS 1907 - 20 Nov 2008  VOL 149 ISS 21
FILE LAST UPDATED: 19 Nov 2008  (20081119/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

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http://www.cas.org/legal/infopolicy.html

=> s l16
L17          2 L16

=> d ibib abs hitstr 1-2

L17  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:       2006:269724  CAPLUS  Full-text
DOCUMENT NUMBER:        144:321175
TITLE:                  Organic electroluminescent material and organic
                        electroluminescent device by using the same
INVENTOR(S):            Chen, Hung-Lin; Lin, Hsien-Chang; Wu, Chia-Dung; Wang,
                        Tsing-Hai
PATENT ASSIGNEE(S):     Ritdisplay Corporation, Taiwan
SOURCE:                 U.S. Pat. Appl. Publ., 20 pp.
                        CODEN: USXXCO
DOCUMENT TYPE:          Patent
LANGUAGE:               English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

    PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
    ---------------     ----   --------   --------------------   --------
    US 20060063034      A1     20060323   US 2005-168390         20050629
    TW 237523           B      20050801   TW 2004-93128778       20040922
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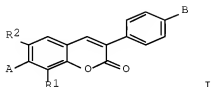
I

AB   The invention refers to an organic electroluminescent material I [A, B =
     electron donating group; R1-2 = alkyl group].
IT   879689-25-5P
     RL: DEV (Device component use); SPN (Synthetic preparation); PREP
     (Preparation); USES (Uses)
        (organic electroluminescent material and organic electroluminescent device
by
        using the same)
RN   879689-25-5 CAPLUS
CN   2H-1-Benzopyran-2-one, 7-(diethylamino)-3-[4-(1-
     naphthalenylphenylamino)phenyl]- (CA INDEX NAME)
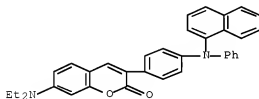
IT   879689-24-4P 879689-26-6P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (organic electroluminescent material and organic electroluminescent device
by
        using the same)
RN   879689-24-4 CAPLUS
CN   2H-1-Benzopyran-2-one, 3-[4-[bis(3-methylphenyl)amino]phenyl]-7-methoxy-
   (CA INDEX NAME)
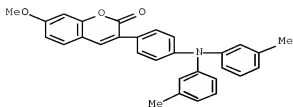
RN   879689-26-6 CAPLUS
CN   2H-1-Benzopyran-2-one, 7-[bis(3-methylphenyl)amino]-3-[4-[bis(3-
      methylphenyl)amino]phenyl]- (CA INDEX NAME)
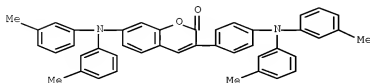
L17 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:55222 CAPLUS Full-text
DOCUMENT NUMBER: 142:134461
TITLE: Preparation of aromatic amines as organic
                         electroluminescent elements
INVENTOR(S):   Fujiwara, Makoto; Sonoda, Natsuko; Satsuki, Makoto;
                         Suga, Sadaharu; Fujikawa, Hisayoshi; Noda, Koji; Taga,
                         Yasunori
PATENT ASSIGNEE(S):   Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo,
                         Japan
SOURCE: PCT Int. Appl., 58 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

      PATENT NO.   KIND DATE   APPLICATION NO.   DATE
      ---------------   ---- --------   --------------------   --------
      WO 2005005408   A1   20050120   WO 2004-JP9660   20040707
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
            CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
            GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK,
            LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO,
            NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
            TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
        RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
            AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
            EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
            SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
            SN, TD, TG
      JP 2005029545   A   20050203   JP 2003-273687   20030711
      JP 2005247976   A   20050915   JP 2004-59280   20040303
      US 20060226421   A1   20061012   US 2006-564039   20060110
      KR 2006041223   A   20060511   KR 2006-700745   20060111
PRIORITY APPLN. INFO.:   JP 2003-273687   A   20030711
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                                            WO 2004-JP9660   W   20040707
OTHER SOURCE(S):   CASREACT 142:134461
GI

I

II
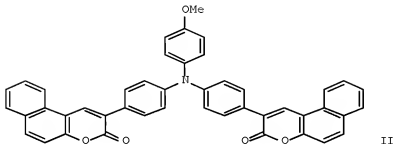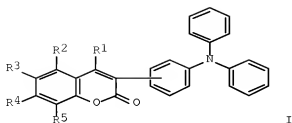
AB   This invention pertains to a method for producing aromatic amines I [wherein
      R1-R5 = independently H or a substituent] as organic electroluminescent
      elements. For example, N,N'-diphenylbenzidine was reacted with 4-
      methoxyaniline in toluene in the presence of Pd(OAc)2, t-BuOK, and t-Bu3P to
      give II. I were tested as organic electroluminescent elements.
IT   827321-61-9P 827321-62-0P 827321-63-1P
      RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP
      (Preparation)
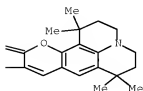   (preparation of aromatic amines as organic electroluminescent elements)
RN   827321-61-9   CAPLUS
CN   1H,5H,11H-[1]Benzopyrano[6,7,8-ij]quinolizin-11-one,
      10,10'-[[1,1'-biphenyl]-4,4'-diylbis[(phenylimino)-4,1-
      phenylene]]bis[2,3,6,7-tetrahydro-1,1,7,7-tetramethyl- (9CI) (CA INDEX
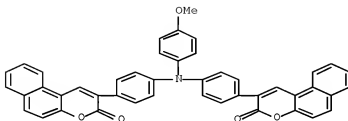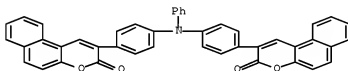   NAME)

PAGE 1-A
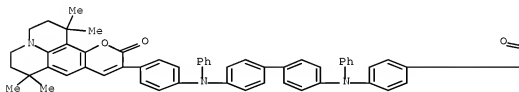
PAGE 1-B

RN   827321-62-0 CAPLUS
CN   3H-Naphtho[2,1-b]pyran-3-one, 2,2'-[[(4-methoxyphenyl)imino]di-4,1-
     phenylene]bis- (9CI) (CA INDEX NAME)

RN   827321-63-1 CAPLUS
CN   3H-Naphtho[2,1-b]pyran-3-one, 2,2'-[(phenylimino)di-4,1-phenylene]bis-
     (9CI) (CA INDEX NAME)

REFERENCE COUNT: 4   THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

     (FILE 'HOME' ENTERED AT 15:56:16 ON 20 NOV 2008)

     FILE 'REGISTRY' ENTERED AT 15:56:31 ON 20 NOV 2008
L1   STRUCTURE UPLOADED
L2   50 S SSS SAM L1
L3   194390 S SSS FULL L1
               ACTIVATE BARB11199866/A

L4   STR
L5   (32746)SEA FILE=REGISTRY SSS FUL L4
L6   STR
L7   10690 SEA FILE=REGISTRY SUB=L5 SSS FUL L6

               DELETE BAR11199866/A
               ACTIVATE GEE11622900/A

L8   STR
L9   1163 SEA FILE=REGISTRY SSS FUL L8

               DELETE BARB11199866/A
L10   STRUCTURE UPLOADED
L11   50 S SSS SAM L10

```
L12         50 S SSS L10 SAM SUB=L3
L13      10493 S SSS L10 FULL SUB=L3
             SAVE L13 CHROM2ON2PHE/A
L14          STRUCTURE UPLOADED
L15          0 S SSS L14 SAM SUB=L3
L16          6 S SSS L14 FULL SUB=L3


     FILE 'CAPLUS' ENTERED AT 16:16:09 ON 20 NOV 2008
L17          2 S L16

=> logoff y
COST IN U.S. DOLLARS                           SINCE FILE      TOTAL
                                                    ENTRY    SESSION
FULL ESTIMATED COST                                 13.30     290.79

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)     SINCE FILE      TOTAL
                                                    ENTRY    SESSION
CA SUBSCRIBER PRICE                                 -1.60      -1.60

STN INTERNATIONAL LOGOFF AT 16:19:25 ON 20 NOV 2008
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